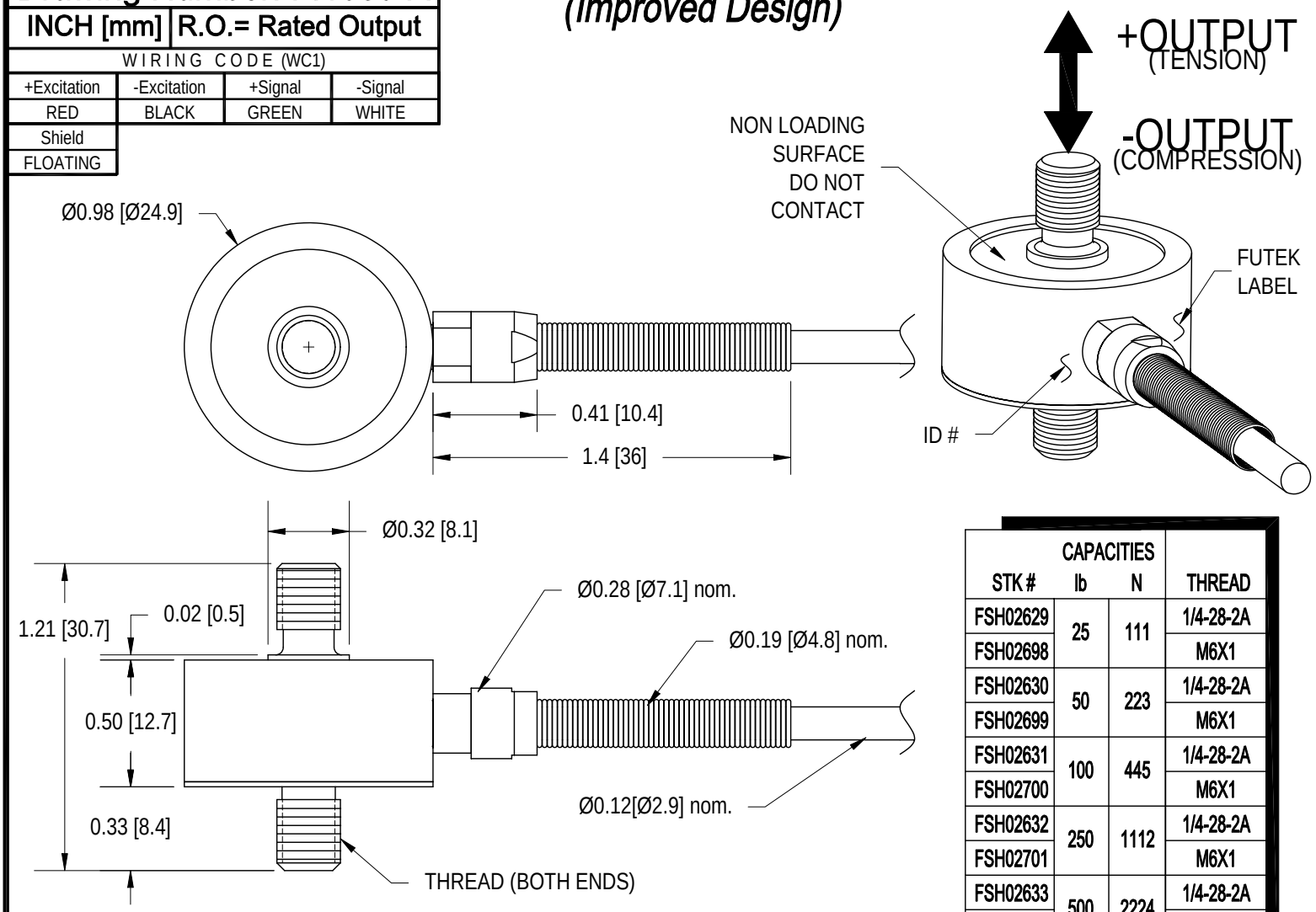
FUTEK MODEL LCM300 (L1650)

Tension and Compression Load Cell (Miniature/Inline Threaded) (Improved Design)

Drawing Number: FI1059-A

INCH [mm]	R.O.= Rated Output

WIRING CODE (WC1)			
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
Shield			
FLOATING			



STK #	CAPACITIES lb	CAPACITIES N	THREAD
FSH02629	25	111	1/4-28-2A
FSH02698			M6X1
FSH02630	50	223	1/4-28-2A
FSH02699			M6X1
FSH02631	100	445	1/4-28-2A
FSH02700			M6X1
FSH02632	250	1112	1/4-28-2A
FSH02701			M6X1
FSH02633	500	2224	1/4-28-2A
FSH02702			M6X1
FSH02634	1000	4448	1/4-28-2A
FSH02703			M6X1

SPECIFICATIONS:

RATED OUTPUT	*2 mV/V nom.*
SAFE OVERLOAD	*150% of R.O.*
ZERO BALANCE	*±3% of R.O.*
EXCITATION (VDC OR VAC)	*15 MAX*
BRIDGE RESISTANCE	*700 Ω nom.*
NONLINEARITY	*±0.5% of R.O.*
HYSTERESIS	*±0.5% of R.O.*
NONREPEATABILITY	*±0.1% of R.O.*
TEMP. SHIFT ZERO	*±0.005% of R.O./°F [0.01% of R.O./°C]*
TEMP. SHIFT SPAN	*±0.02% of LOAD/°F [0.036% of LOAD/°C]*
COMPENSATED TEMP.	*60 to 160°F [15 to 72°C]*
OPERATING TEMP.	*-45 to 200°F [-42 to 93°C]*
WEIGHT	*2oz. [57g] (1.2oz [33g]- 25 lb Capacity)*
MATERIAL (FLEXURE)	*17-4PH S.S. (Aluminum- 25 lb Capacity)*
DEFLECTION	*0.001 to 0.002 [0.03 to 0.05] nom.*

CABLE: #28 AWG, 4 Conductor, Spiral Shielded PVC Cable 10 ft [3 m] Long

ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)	*5 pt TENSION; 100 K Ω SHUNT CAL. VALUE*
CALIBRATION (AVAILABLE)	*COMPRESSION*
CALIBRATION TEST EXCITATION	*10 VDC*

STOCK #'S IN THE TABLE HAS REPLACED: 25lb-FSH00665, 50lb-FSH00666, 100lb-FSH00667, 250lb-FSH00668, 500lb-FSH00669, 1Klb-FSH00670

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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